



Department of Nursing

Public Health Informatics and Technology (PHIT)-Program of Study (Effective Fall 2023)

Year One

<i>(Freshman) Semester 1</i>	Credits	<i>(Freshman) Semester 2</i>	Credits		Total
FRSE 101 <i>Freshman Seminar</i>	3	PSYC 101 <i>General Psychology</i>	3		
ENGL 101 <i>Expository Writing</i>	3	ENGL 102 <i>Argument & Research</i>	3		
SOCI 101 <i>Intro to Sociology</i>	3	HEED 102 <i>Life & Health</i>	3		
BIOL 102 <i>Intro to Biology</i>	4	COSC 110 <i>Computer Literacy/Applications</i>	3		
MATH 125 <i>College Algebra</i> <i>or</i> MATH 141 <i>Pre-Calculus I</i>	3	Arts & Humanities Elective*	3		
(16cr)		(15cr)			(31cr Total)

Year Two

<i>(Sophomore) Semester 3</i>	Credits	<i>(Sophomore) Semester 4</i>	Credits		Total
COMM 101 <i>Oral Communications</i>	3	MATH 155 <i>Intro to Probability & Statistics</i> <i>or</i> PSYC 204 <i>Elementary Statistics</i>	3		
MGMT 101 <i>Intro to Business</i>	3	IDIS 240 <i>Medical Terminology</i>	3		
PHSC 200 <i>Intro to Human Diseases</i>	3	MGMT 241 <i>Principles of Management</i>	3		
DANL 280 <i>Fundamentals of Data Science & Analytics</i> <i>(COSC 110 Prerequisite)</i>	3	MGMT 256 <i>Professional Development & Leadership</i>	3		
BIOL 311 <i>Anatomy & Physiology I</i>	4	PHIT 285 <i>Intro to Public Health Informatics & Technology</i> <i>(COSC 110/PHSC 200 Prerequisite)</i>	3		
(16cr)		(15cr)			(31cr Total)

*Arts & Humanities Elective Listing:

www.bowiestate.edu/about/administration-and-governance/division-of-academic-affairs/academic-advisement-center/general-education-course-list.php

Year Three

<i>(Junior) Semester 5</i>	Credits	<i>(Junior) Semester 6</i>	Credits		Total
PHIT 304 <i>Fundamentals of Epidemiology</i>	3	PHSC 300 <i>Health Equity & Social Justice</i>	3		
PHSC 310 <i>Organization of Healthcare Facilities</i>	3	PHSC 305 <i>Programming for Healthcare</i> <i>(COSC 110 Prerequisite)</i>	3		
PHIT 320 <i>Public Health Predictive Analytics</i> <i>(PHIT 285 Prerequisite)</i>	3	NURS 320 <i>Cultural Diversity & Special Populations in Healthcare</i>	3		
PHIS 361 <i>Public Health Information Systems Analysis & Design</i> <i>(PHIT 285 Prerequisite)</i>	3	PHSC 350 <i>Public Health Perspectives</i>	3		
PHIS 367 <i>Fundamentals of Public & Population Data Privacy & Security</i> <i>(COSC 110 Prerequisite)</i>	3	PHIS 362 <i>Public Health Data Management</i> <i>(PHIS 361 Prerequisite)</i>	3		
	(15cr)		(15cr)		(30cr Total)

Year Four

<i>(Senior) Semester 7</i>	Credits	<i>(Senior) Semester 8</i>	Credits		Total
PHIT 458 <i>Fundamentals of Public & Population Data Privacy & Security</i> <i>(COSC 110 Prerequisite)</i>	3	PHSC 406 <i>Public Health Research</i>	3		
PHIS 410 <i>Public Health & Clinical Classifications & Information Systems</i> <i>(PHIS 361 Prerequisite)</i>	3	PHIT 480 <i>Big Data & Analytics for Public Health</i> <i>(PHIS 362 Prerequisite)</i>	3		
PHSC 420 <i>Public Health Strategic Planning</i>	3	PHIT 485 <i>Special Topics in PHIT</i> <i>(PHIT 320 Prerequisite)</i>	3		
PHIS 475 <i>Public Health Informatics Project Management</i> <i>(PHIT 285 Prerequisite)</i>	3	PHSC 490 <i>Internship</i>	4		
PHIT/PHSC Elective	3				
	(15cr)		(13cr)		(28cr Total)

****General Elective Listing:**

<https://www.bowiestate.edu/about/administration-and-governance/division-of-academic-affairs/academic-advisement-center/general-education-course-list.php>

46 General Education Credits *(with electives)*

74 PHIT/PHIS/PHSC Credits

TOTAL = 120 credit

(Please visit the BSU nursing webpage at www.bowiestate.edu/nursing to learn more!!)